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AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A method for reducing capacitance between interconnect lines, the method comprising:

providing a substrate having a plurality of semiconductor elements and one dielectric layer for isolating the semiconductor elements formed thereon;

forming a metal layer over said substrate;

forming a pad oxide layer over said metal layer;

pattering patterning and etching said pad oxide layer and metal layer to constitute said interconnect lines over said substrate;

forming an inter-metal dielectric layer over said substrate having said interconnect lines formed thereon, wherein at least an air gap is formed in a spacing between the adjacent interconnect lines; and

planarizing said inter-metal dielectric layer.

- 2. (Original) The method according to claim 1, wherein said metal layer is formed from materials selected from the group consisting of Al, Cu, Ta, W, Si, Au, Pb and Sn.
- 3. (Currently amended) The method according to claim 1, wherein the thickness of said pad oxide layer is between about 2000 angstronm and about 5000-angstronm angstrom.
 - 4. (Original) The method according to claim 1, wherein said pad oxide layer

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comprises SiO2, deposited by atmospheric pressure CVD method.

- 5. (Original) The method according to claim 1, wherein said pad oxide layer comprises SiO₂, deposited by plasma enhanced CVD method.
- 6. (Currently amended) The method according to claim 1, wherein said inter-metal dielectric layer comprises a SiO₂ layer, deposited by plasma enhanced CVD method, utilizing TEOS/O3 as a reaction gas.
- 7. (Currently amended) The method according to claim 1, wherein said inter-metal dielectric layer comprises a BPSG layer, deposited by atmospheric pressure CVD method, utilizing one of TEOS/O₃, TMPO and TEB as a reaction gas, at a temperature lower than 550°C.
- 8. (Currently amended) The method according to claim 1, wherein said inter-metal dielectric layer comprises a BPSG layer, deposited by plasma enhanced CVD method, utilizing one of TEOS, O₃/O₂, TMP and TMB as a reaction gas, at a temperature between about 400°C and 500°C.
 - 9. (Canceled)